

ABSTRACT OF THE DISCLOSURE

There is provided a stepping motor of low vibration realized by reducing cogging with a simple structure while maintaining the performances such as torque. A stepping motor of the invention is structured such that a stator unit 18 is composed of a pair of stator sub-assemblies 5, 5 attached to each other in a back to back manner, each stator sub-assembly having a plurality of pole teeth 13 formed at its inner circumference and housing a coil inside thereof, a rotor unit 19 is rotatably disposed with a small gap from the plurality of pole teeth 13 and having multiple magnetic poles formed on an circumference thereof, the multiple magnetic poles of the rotor unit 19 being formed by magnetizing the rotor unit 19 alternately with an S pole and an N pole in a circumferential direction, and that while a magnetic pole width consisting of a width of the S pole and a width of the N pole in a pair is set to a predetermined constant value, the width of the S pole and the width of the N pole in each pair are set to be different from each other.